

Price of OSFP optical module 800G



Article Overview

The cost of 800G OSFP optical modules typically ranges from \$800 to \$1,300 per module, with variations depending on vendor, power efficiency, and deployment scale.

Pricing Overview

- Standard 800G OSFP modules generally cost around \$1,300 per module, while low-power optimized (LPO) modules can be priced at \$800, offering upfront savings of approximately \$500 per module (LUXOPTX) for large-scale deployments .
- Vendors like FS and NADDOD provide 800G OSFP modules suitable for AI data centers, enterprise networks, and service providers, with pricing often influenced by form factor, transmission distance, and compatibility .
- Amazon listings for modules such as the YTLINK 800G OSFP 2FR4 show modules with advanced DSP chips and power consumption around 16.5W, indicating premium pricing for high-performance, hyperscale data center applications .

Total Cost of Ownership (TCO) Considerations

- Power consumption is a significant factor: LPO modules save about \$49 per module per year, which can accumulate to \$745 in total savings over a 5-year replacement cycle .
- Engineering and qualification costs for third-party modules can range from \$3,000 to \$6,000 for 40-80 hours of labor, due to interoperability testing with switch firmware .
- Break-even analysis shows that while low-power modules have lower upfront cost...

Article Content

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The goal is to define pluggable low-cost optical modules for data center applications with short-range 800G transmission, including

800G QSFP-DD

If you are looking for a 800G OSFP/QSFP-DD transceiver supplier with reliable performance, excellent technical service and

800G OSFP Optical Transceiver Modules | AscentOptics

The 800G OSFP stands for 800G “Octal Small Form-factor Pluggable”. The electrical interface of an OSFP connector consists of 8

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Explore guide to 800G optical transceivers—compare OSFP vs. QSFP-DD, key specs, deployment best practices, and future trends

800G OSFP/QSFP-DD Optical Transceivers for InfiniBand & RoCE

NADDOD 800G modules are crucial components for the next generation of high-performance data center networks. They feature

1.6T OSFP224 | AI Ethernet Modules

FS provides an expanding portfolio of 800G OSFP/QSFP-DD solutions featuring high-performance, high-bandwidth, and backward

800G OSFP/QSFP-DD | Transceiver Modules

FS provides an expanding portfolio of 800G OSFP/QSFP-DD solutions featuring high-performance, high-bandwidth, and backward

800G OSFP ZR+ Pro-Genuine optics coherent series products.

800G OSFP ZR+ Pro Transceiver is a high performance, high output power, cost effective pluggable DCO module compatible with

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center

Contact Us

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